

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002216

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/10 A01K67/00 A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, EMBASE, MEDLINE, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/60975 A (BOONE CHARLES ;BUSSEY HOWARD (CA); JIANG BO (CA); ROEMER TERRY (CA) 23 August 2001 (2001-08-23) the whole document	1-5, 7-17, 19-27
X	BOCKAMP ERNESTO ET AL: "Of mice and models: Improved animal models for biomedical research." PHYSIOLOGICAL GENOMICS, vol. 11, 20 January 2003 (2003-01-20), pages 115-132, XP009014519 ISSN: 1094-8341	1-5, 7-17, 19-27
Y	page 125 -page 128; figure 7 -/--	6, 18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

12 May 2004

Date of mailing of the international search report

26/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Pilat, D

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002216

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>GOTTHARDT MICHAEL ET AL: "Conditional expression of mutant M-line titins results in cardiomyopathy with altered sarcomere structure." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 8, 21 February 2003 (2003-02-21), pages 6059-6065, XP002249070 ISSN: 0021-9258 cited in the application the whole document</p>	6,18
X	<p>POOK M A ET AL: "Rescue of the Friedreich's ataxia knockout mouse by human YAC transgenesis." NEUROGENETICS. ENGLAND OCT 2001, vol. 3, no. 4, October 2001 (2001-10), pages 185-193, XP002249071 ISSN: 1364-6745 the whole document</p>	1-5, 7-17, 19-27
X	<p>HAMILTON-WILLIAMS EMMA E ET AL: "Transgenic rescue implicates beta2-microglobulin as a diabetes susceptibility gene in nonobese diabetic (NOD) mice." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 98, no. 20, 25 September 2001 (2001-09-25), pages 11533-11538, XP002249072 September 25, 2001 ISSN: 0027-8424 the whole document</p>	1-5, 7-17, 19-27
X	<p>MONANI UMRAO R ET AL: "A transgene carrying an A2G missense mutation in the SMN gene modulates phenotypic severity in mice with severe (type I) spinal muscular atrophy." JOURNAL OF CELL BIOLOGY, vol. 160, no. 1, 6 January 2003 (2003-01-06), pages 41-52, XP002249073 ISSN: 0021-9525 the whole document</p>	1-5, 7-17, 19-27
X	<p>WUTZ A ET AL: "Non-imprinted Igf2r expression decreases growth and rescues the Tme mutation in mice." DEVELOPMENT (CAMBRIDGE), vol. 128, no. 10, May 2001 (2001-05), pages 1881-1887, XP002249074 ISSN: 0950-1991 the whole document</p>	1-5, 7-17, 19-27
	-/--	

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002216

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GANTOIS I ET AL: "Restoring the phenotype of fragile X syndrome: Insight from the mouse model."  CURRENT MOLECULAR MEDICINE (HILVERSUM),  vol. 1, no. 4, September 2001 (2001-09),  pages 447-455, XP009014502  September, 2001  ISSN: 1566-5240  the whole document</p>	<p>1-5,  7-17,  19-27</p>
X	<p>US 6 291 245 B1 (SCHANTZ CHRISTIAN ET AL)  18 September 2001 (2001-09-18)  the whole document</p>	<p>1-5,  7-17,  19-27</p>
A	<p>KWAN KIN-MING: "Conditional alleles in mice: Practical considerations for tissue-specific knockouts."  GENESIS THE JOURNAL OF GENETICS AND DEVELOPMENT,  vol. 32, no. 2, February 2002 (2002-02),  pages 49-62, XP002249075  February, 2002  ISSN: 1526-954X  cited in the application  the whole document</p>	
A	<p>TUVESON DAVID A ET AL: "Technologically advanced cancer modeling in mice."  CURRENT OPINION IN GENETICS &amp; DEVELOPMENT,  vol. 12, no. 1, February 2002 (2002-02),  pages 105-110, XP002249076  ISSN: 0959-437X  the whole document</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/002216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0160975	A	23-08-2001	AU 4320401 A	27-08-2001
			CA 2398861 A1	23-08-2001
			EP 1292668 A2	19-03-2003
			JP 2003523197 T	05-08-2003
			WO 0160975 A2	23-08-2001
US 6291245	B1	18-09-2001	AU 720627 B2	08-06-2000
			AU 4011599 A	10-02-2000
			BR 9902792 A	09-05-2000
			CA 2274982 A1	15-01-2000
			EP 0972838 A1	19-01-2000
			JP 2000050888 A	22-02-2000
			KR 2000011710 A	25-02-2000
			TR 9901650 A2	21-02-2000
			ZA 9904552 A	17-01-2000